an error correction [encoding means for adding] encoder operable to add an error correction code to the digital video compression signal to produce an error correction coded signal;

a [modulation means for modulating] modulator operable to modulate the error correction coded signal to an n-level VSB modulation signal, said [modulation means] modulator comprising a means for allocating code points along a uniaxial modulation coordinate system, and a filter means having a plurality of coefficients which are a series of impulse responses defined by plotting timebase responses to the VSB modulation signal along the in-phase axis and its orthogonal axis for filtering a series of said code points allocated along the uniaxial modulation coordinate system; and

CONT A'

a [transmission means for transmitting] transmitter operable to transmit the modulation signal, and

said [receiver] reception apparatus comprising:

a means for receiving a transmitted n-level VSB modulation signal;

a [demodulation means for demodulating] demodulator operable to demodulate the received n-level VSB modulation signal into a digital reception signal;

an error correction [means] decoder for error correcting the digital reception signal to obtain an error-corrected digital signal; and

an [expanding means for expanding] expander operable to expand the error-corrected digital signal to obtain a video output signal.

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8. (Twice Amended) A signal transmission [and reception] apparatus for transmitting an n-level VSB signal, comprising:

A2

a [compression means for compressing] compressor operable to compress an input video signal into a digital video compression signal;

an error correction [encoding means for adding] encoder operable to add an error correction code to the digital video compression signal to produce an error correction coded signal;

a [modulation means for modulating] modulator operable to modulate the error correction coded signal to an n-level VSB modulation signal, said [modulation means] modulator comprising a means for allocating code points along a uniaxial modulation coordinate system, and a filter means

having a plurality of coefficients which are a series of impulse responses defined by plotting timebase responses to the VSB modulation signal along the in-phase axis and its orthogonal axis for filtering a series of said code points allocated along the uniaxial modulation coordinate system; and

a [transmission means for transmitting] transmitter operable to transmit the modulation signal.

--21. A signal reception apparatus comprising:

a means for receiving a transmitted n-level VSB modulation signal;

a demodulator operable to demodulate said received n-level VSB modulation signal into a digital reception signal;

an error correction decoder for error correcting said digital reception signal to obtain an error-corrected digital signal.

22. A signal transmission and reception method for transmitting and receiving an n-level VSB signal, said method comprising a transmission method and a reception method,

said transmission method comprising:

compressing an input video signal to a digital video compression signal;

adding an error correction code to the digital video compression signal to produce an error correction coded signal;

modulating the error correction coded signal to an n-level VSB modulation signal, allocating code points along a uniaxial modulation coordinate system, and filtering a series of the code points allocated along the uniaxial modulation coordinate system with a filter having a plurality of coefficients which are a series of impulse responses defined by plotting time base responses to the VSB modulation signal along the in-phase axis and its orthogonal axis; and

transmitting the modulation signal,

and said reception method comprising:

receiving a transmitted n-level VSB modulation signal;

demodulating the received n-level VSB modulation signal into a digital reception signal;

error correcting the digital reception signal to obtain an error-corrected digital signal; and

expanding the error-corrected digital signal to obtain a video output signal.

23. A signal transmission method for transmitting an n-level VSB signal, comprising:

compressing an input video signal into a digital video compression signal;

adding an error correction code to the digital video compression signal to produce an error correction coded signal;

modulating the error correction coded signal to an n-level VSB modulation signal, allocating code points along a uniaxial modulation coordinate system, and filtering a series of the code points allocated along the uniaxial modulation coordinate system with a filter having a plurality of coefficients which are a series of impulse responses defined by plotting time base responses to the VSB modulation signal along the in-phase axis and its orthogonal axis; and

transmitting the modulation signal.

24. A signal reception method comprising:

receiving a transmitted n-level VSB modulation signal;

demodulating the received n-level VSB modulation signal into a digital reception signal;

error correcting the digital reception signal to obtain an error-corrected digital signal.--

REMARKS

In view of the above amendments and the following remarks, reconsideration and further examination are requested.

By this amendment, claims 2-7, 9, and 11-20 have been canceled, claims 1,and 8, have been amended, and new claims 21-24 have been added.

Claims 1-12 and 17-20 were allowed in the outstanding Office Action. Of these claims, as mentioned above, claims 2-7, 9, and 17-20 have been canceled and claims 1 and 8 amended. It is submitted that claims 1 and 8 as amended, and claim 10, remain allowable for the same reasons that claims 1-12 were allowed in the outstanding Office Action.